

<400> 19202

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<210> 19203

<211> 809

<212> DNA

<213> *Aspergillus nidulans*

<400> 19203

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<210> 19204  
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<212> DNA  
<213> Aspergillus nidulans

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gacgtgctca ccgaagccgc cgaaaccgct attcctgatt ctgacgaggg tctgtctgat 720  
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<210> 19205  
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<212> DNA  
<213> Aspergillus nidulans



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 agccgaggtg gaggaggatg ttgggaaggc agcacaggaa tgggcgcata caatcttccc 660  
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 <213> *Aspergillus nidulans*

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 <212> DNA  
 <213> *Aspergillus nidulans*



<400> 19208

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tactttgccc atatcgcaa ggcgtaccag gatgagctga agatcctcta cgatgctggt 180  
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ccctacagat gctaacaaac attagatttc tgctccgaaa agatgctcca gggctggaag 300  
gaagatcccc tgaacaccct cagcgccgac gagacttttg agaagtacat caagctctac 360  
aacgactgtc tcgccacccg cccaaggat ttccacgttg gtgtccacct ctgccgcggc 420  
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ttcaaggaac tcaacgtcga cacctactac cttgagtacg acaccccccg cgccggtggg 540  
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tcattgccga gggtaatggc atcactctcg agcaggcgct tgatcaggtt ggtgtcagtc 720  
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<210> 19209

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<212> DNA

<213> *Aspergillus nidulans*

<400> 19209

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cacgcagcag tttaagaata gccagtggag cttttcaaaa ggtaagcgga gcagactggc 360  
actcccagct cgtcttttgt tgtcccgtt gagcctgact ttgaatgtta gggcttgatg 420  
gctcgtgtcc gctaggacct gtcttggtgg ctccctcaga agtcgacccg caccagctcg 480

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 ttcaatggga agagcccgtg gctgatggca gagcagaaga gatgatattc gacatcccta 660  
 aaatcatcgc gttcctatcg cagggcacca ccctggagcg aggcacggtg atcatgacgg 720  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 19211  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19211

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tgtaccaaag acccactgcc gatggacatc gacttcttctg tccaagacac gtactctctc 180

acccgcccgc aatggaccct agttacggaa ctagacgaag ctagccgtat cttcggcgag 240

gctgttgccc agaatttcaa gccacaagag gagaagcctg aaccgagga agaatcggag 300

gatagtggat cagatgagga tctggaagaa gacgcatttc cagaggccga cgaggaagga 360

gagtcgagtg atgaggccga tgtaagtga ccagcatact ctgctgatca atgctaacaa 420

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<210> 19212

<211> 815

<212> DNA

<213> Aspergillus nidulans

<400> 19212

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 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

<400> 19214

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<211> 816

<212> DNA

<213> Aspergillus nidulans

<400> 19215

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<212> DNA  
<213> Aspergillus nidulans

<400> 19216

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<210> 19217  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19217

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<210> 19218

<211> 817

<212> DNA

<213> *Aspergillus nidulans*

<400> 19218

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catcggttta aggtccggcc gttggatggg gtaccaaga tgggcttccg gccagtctcc 540  
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aagctaagct acttttataa gctgaatgac acattcaatg acaccgcgtt cccatcacac 720  
gagccagaat ctacagattc cgccagggtc catctacaat tgcccatccc gccacgctta 780  
gtgggtgcaa tttgcccagt tgccccgtga ggctgcc 817

<210> 19219  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19219  
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aacagaccac caaggcgccg cagccgcaga ctccatagcc gaagccgaag cgcgcaaagc 120  
tcagcggcag gagaaagcag atgcgctggg tcgagagcaa attgagaaag atgccatcgc 180  
gcgagagctct gcgaataaag cctgggatga cgatgaagca atggcaaacg aggaggcggc 240  
tattgacgat acagatggaa aggatccgga agctgaatac gcagcttgga aactgcgaga 300  
gttgaaacgc atcaaacgtg agcgtgaggc tattgaagcg gcagagaagg aacgcgagga 360  
ggtcgagcgc cggcggaacc taacagcaga agagcgcgag cgagaggatc aagaatttct 420  
cgctaaacag aaagaggagc gtgaggcttc gcgcggccag actggatata tgcagcggta 480  
cttccacaag ggtgcatttt tccgccccga tctcgagaag gaaggtcttg ataaacgtaa 540  
tgtcatgggc gcgcgattcg cagacgatgt tgctcgggag acattaccgc agtatatgca 600  
aattcgagac atgacgaaac tcggaaagaa gggccgcacg cgatacaaag atctccggac 660  
tgaggatacg gggaggttcg gtgagggttt tggtaatcga cgaagacagg aagctccagt 720  
aggggttacg gatgaacggt tcttgcttga tcgaggcttt gataagaagg gtcccactgg 780  
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<210> 19220  
<211> 821  
<212> DNA  
<213> Aspergillus nidulans



<400> 19220

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gaaagaagcg gaatggctag aggtgcaagt gatggagacc cgacaacagg tattagggcc 180  
agagcatcct aatactctga caagcatggc aaaccttgca ttgacatacc gaaatcaagg 240  
tcaattgaag gaagctgaaa ggcttggtgt gcaggtaatg gagaccagta agcagggtact 300  
cgggtcagac catgatgaca ctctggctag catggccaat cttgcatcaa catactggag 360  
tcaaggaaaa tggaaagaag cggaagcgct gtttatacgg gttttgaata cccagaaaca 420  
agtgtctgggt ctagagcacc ctgacactct ggccagcatg gccgacctcg catcaaccta 480  
ccaaaaccaa ggccaatgga aggaagcaga agagctgttc atacaggcga tggagattca 540  
gacaactgtg ctaggatcag agcaccctga taccctgatc agtacggcta atctcgcatc 600  
aacataccga agtcaaggtc gattgaagca agccgaaagg cttggtgtgc aggtaatgga 660  
gactagcaaa caggtactcg ggccagacca tccttacacc ttgaccagca tggccaatct 720  
tgcatacaaa tactggagtc aaggaaaatg gaaagaagcg gaagcgctgt ttatacgggt 780  
tttgaatacc cagaaacaag tgctgggtct agagcacct g 821

<210> 19221

<211> 821

<212> DNA

<213> Aspergillus nidulans

<400> 19221

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ttccagcagt cttttggacc gccagaccag gtgttaggtg attactcaca ttgaaactgg 180  
cttggaggca tcaaccggt aattacaatt ttagagatgg gcactttcat gcacgcatgt 240  
gaaggcgaga tggtttgca atcaatcaac ccgaagattc cttacttcaa cgtccccatc 300  
tacctggaga acaaggtagc agacgagcaa tatgatctgg gaacaatttg actaatgatt 360  
gctttctata gacaccatt ggcaagatcg acgaagttct gggccctatc aaccaagtat 420  
acttcacat caagcccaa gaagggatcg tcgcgacgtc cttcaagccc ggcgacaagg 480

tttatatcgg tgggtgataaa ctcccttcta ttgagaagta tgcattcttc tgcccttggg 540  
 agagtagtag ccccgctgac cagctatatc aggttccttc ccaagcccaa gcctccaccc 600  
 ggtaaataata tccattctgt aacatcgccc tcttacggac tctgctaaca agacaatagg 660  
 tgccaaagcc aagaaggcag tcggagctcg tggcggcggg cgtgggtggc gtgggtgggc 720  
 tcgcggcggc ggtttccgtg gccgcggcgg tgccccaga ggacgtggg cactcgtgg 780  
 tggaagcttc ggattccgcg gtggtgctgg cggtagggga g 821

<210> 19222  
 <211> 821  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 ctgcagagaa ttcccgtga ctctatcgtc actcaatgtc tggctcatca ttcccgatca 120  
 ccgcaacgtc tactaacctt ctgcagccaa aactgtagct aacaggcttt tctactcttc 180  
 ggaataccaa aaagcccga gaataggcgt atacctgtcg atgccgtcag gggaactatc 240  
 gacaacagca atagtggaag atgccttgaa gaaccacaag gaagtatttg tgccttatat 300  
 ccacagcata gagaccacaa cgacacagca gaaaatctcg gttatggata tgctcgcgtt 360  
 agactcaatg gaggagttca tgtccttgga gcgcgataaa tggggaattc cctcactcac 420  
 gaaagtacag gcagtcaaca agcagaattg ctttggtgga actgggatat ccgaaccact 480  
 acctaagggt aatacggcgg ggccatttg attagatctg attgtgatgc cgggaatggc 540  
 cttcgatccc gatttcagaa gacttggtca tggaaagga tattatgaca gtttcttaac 600  
 gaggtacttg agatgggaaa ctgagatggg cgttgagaag cgaaacatgc ctttacttgg 660  
 tgagacgcta gcttatatcg gttttaagag agtaatgaaa ttcttgacta gatcacagtc 720  
 gccctctctc tcaaggagca aacgctttgc ccgcctgaac aggtgcccgt taaaaatcac 780  
 gactggctcg tagatgtcgt gatagtcggt gatgaccggt g 821

<210> 19223  
 <211> 822  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19223

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caaagttttc cattctctta cgacaccgca ttccgtcctc ttccacaaga aaaatgagaa 180  
cattcaccgg ttcgagagta ccgagagtct cgaattcctg gccacaaga atgactgcgg 240  
catggtaatt ttcggaagca gcaataagaa gaggcccaac tgctgacaa ttgcgcgcac 300  
ctttgactcc aaagtctctg acatgggtga gctgttactc ctccccgatg ccaatggcga 360  
ggggattccc gagatgaaca ggctttctat gcatgtcgcc atcgggtctgc ggccgctgat 420  
gctcttttcc ggcagcgcac gggacgatac gacatcgacg acgcatacga tgctgaagag 480  
catgctgggtg gatctattca agggcgagac cagtgataag attgacgttg aaggactaca 540  
gtatgcgctt atggttggtg cggaggagcc tacggcgggt ctggcaccta ttattcatct 600  
acggtgggtac aagatcgta ctaagcggag cggacacaag ctctctcgcg tggagctgga 660  
agagattgga cccaagctcg acttcaaagt cggacgtatc caagaggcac ctgcgcacgt 720  
catgaaagag gccatgaagc agggcaagaa accgaacgag gagatcaaga acaagaagaa 780  
catcgggtatt gatttaatcg gtgacaaggt tggtcgggtg ca 822

<210> 19224

<211> 822

<212> DNA

<213> *Aspergillus nidulans*

<400> 19224

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ctggcgtttg gtttctcgt tatggtgaac atctgggcgt ttaccgggt gacggggctg 180  
ctgttcaatc ccgctgtacg cttgccgtct actgggtgaa ggggtcggcg gtgctaacga 240  
ccagatcgcg tccaggtaac cctagccctc tgtctcgttg gggggatgcc cgcctaccgc 300  
gggctgttctg tctttgccgc tcagatcgtc gggggcattg cggcgcccg cgtagtcagc 360  
gccttgttcc cgggggatct caatgtctcg acgagactgg gaggaggcgc atccatctcg 420  
cagggtttgt tcacgaaat gttcctgacc gcgcagctcg tctttgtcat catcatgctg 480

gcggtcgtca agcacaaagg gacctttctt gcaccggttg ctatcggaat cgctttcttc 540  
 gtgacggaga tgatcggtag gcttccccct gataccgttc tcggtgcatc ttggactaat 600  
 gcgttcggca ggcgactact acaccggggg ctcgctgaac cccgcgcggt ctctcggacc 660  
 ggacgtgac aaccgcagct tcccgggtta tcattggatt tactgggtcg gcccgctact 720  
 cggatcgctg ctggcctgtg gtttctatta cttcctgacc ttcttctcgt atgagagcgt 780  
 caaccgggc caggacttca atgagtggga ggcgaaatgg gg 822

<210> 19225  
 <211> 823  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19225  
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 aacggtttcg tcacctacgt caatcagagc tacgcagagt ccgccggcct cgtcaagacc 120  
 accgacagcg ggacctctat ttaggtgttg actatgagaa cgttctcacc gtagacggcc 180  
 cgggccgtga gtctgtccgc atcgagagca acgagtatta cgaccagggg ttgtacgtcg 240  
 tcgatatcca acacatgccc ggcagcatct gcggcacatg gccagccttc tggaccgttg 300  
 gccccgactg gccgacggac ggtgttattg atattatcga gggagtgaac aagcacgatg 360  
 cgaacaagat cgtgctgcac actagcgata cttgtgacgt tgggtggtggc tacaagatga 420  
 ccggcgacat gacctcaagc gaatgcccgc aacgttcagg aactatcgga tgcgttgtcc 480  
 aaggcaagca gggctcctcc ggcgaccctt tcaacgagca aggtggtgga gtctatgcca 540  
 tggaatggga ggaaaagtac ctcaagatct ggtactttcc ccggtcttcg atccccgagt 600  
 ccctcactgc gggcaaccct gacgtttcgt cttttggcac tcctatggct cacctccagg 660  
 gtcctgcaa cttcaaggaa cgtttcacca tcagaagctg atcctcgac aacattttgc 720  
 ggtgactggg cgggcggtgt ttttggggca gcggatgcc cgtcagcgac cccagcgacc 780  
 caatgctgag ttgcaagaac tatgttgccg agaaccgggc tgt 823

<210> 19226  
 <211> 823  
 <212> DNA  
 <213> Aspergillus nidulans



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cgcaagaagc agcttgggtct ggcgagagac tgtaagcgga cgattcggga gtactttgcg 600  
gacaatctgt ggattacgac aagtgggtcac ttttcaacga atacgctcaa gttctgtatg 660  
ggcgagggttt cggcggatcg tattctgttc agtattgatt atccttttga acattttgag 720  
gatgcttgtg agtggtttga tagtgcgag ttgaacctg ttgataaggt taagatcggg 780  
agggagaatg caaaacgact gtttaggttg ggtccgtata agg 823

<210> 19228  
<211> 824  
<212> DNA  
<213> Aspergillus nidulans

<400> 19228  
cgctggcgct tagtgattcg tacattgtcg cagtaacgac aaaagactat gttagagtat 60  
atacattata tggcacacct ttcagggtgt acagacagaa aagcccggcc gtgacctgcg 120  
ccgcctggag agactatggt atgaccatag gcaacggacc gctgggaagc gacgggcgaa 180  
cggggacgct gcggtactcg atcgaaaacg tcaagcgga cgaaatatgc cagaacgagg 240  
atgttgtggc tatccccgaa ggagctgagc tgaaaagcgt tttcttcaca gacatggggg 300  
tgagcatttc cctattgatt tgagacctat ctaactgagt aggacccttg tatctacgac 360  
acggaaggcg tgctgctggt cctgcagcac tggcgacccc aaggccaagc gcgctggggt 420  
ccactcctcg acacaaagca gctggagcga ctggcaagcg gccgcaaaga agaaacgtac 480  
tggcccgtcg cagtcgcgca ggacaaattt cactgcatca ttctgaaagg cgagatcga 540  
taccggtact tcccacgacc aatgctcagc gaattcgatt tccagatccc catctccgac 600  
aagcccaagc cgcaagagga agacgaagaa ggaagcaccg cgcgcaacga cagtatgcgc 660  
cttgaggaat cttttgtccg tggtaatctc ctctctcac tgttccagga cctcctttcg 720  
gccacgcacg cgacggccac gcagcgcgct gaattgtcgc ggaaggagct ggagcttgac 780  
aaggtgcttc tgcagcttct ggcatcgag tgccgagagg gcga 824

<210> 19229  
<211> 825  
<212> DNA  
<213> Aspergillus nidulans

<400> 19229

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tcgtatcgcc gctcgaacgt ttgaaaattc ttcttcagat ccaaagtgtc gggagggagg 180  
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gctttttgcg gggaaatggc acgaactgta tacggattat cccgtactca gcggtgcagt 300  
tcggcagtta taattttctat aaaaggggtat ttcttcgata tggaagtaat gtattgcaga 360  
attgacattc gcagttcgtc gagccttcgc ctgatgcgga tttgacgcca atacgccgac 420  
tcatttgtgg aggggcgggt gggataacct caggtttcta taccaaccct acgaaacaca 480  
ttattcttac tttgacaaaa ctaacattgc ctacgcaatt ggcgtgacca gtcattgtaa 540  
cctatccctc tgatttgggtc cgtacaaggc tgtccataca atctgcctct tttgcggctc 600  
tcaagcgtga tagcgccggc gagaagttgc cgggaatgtt tacgaccatg gttttagtct 660  
ataagaatga gggcggtttt ttagcgcttt accgtggtat cattccaacc gtagccggtg 720  
ttgcccctta tgtatgattt ccaggcgtagc tggacaatcg tccttgagtg acatcagctg 780  
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<210> 19230

<211> 826

<212> DNA

<213> *Aspergillus nidulans*

<400> 19230

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gttgcaactct gtccctttga ggcagtcaaa gtgcgcacgc agacgaccat tccgcccag 180  
ttccgctcca cgtttggcgg gatctctgct gttgtcgcaa aagaaggac agctgggtaa 240  
gcaggcgctt atgctgcctt aacctgatac taatagggcc agactataca aggttttcta 300  
tccgctctgg ggccgacaga tcccctatac catgatgaaa ttcgcttctt ttgaaaatat 360  
tgtcgaggcc atttaccact acctcccggg ccaaaagtca gactacaaca aaggcgcgca 420  
gactgctgtc gcattcactg gaggatatct tgccggtatt ctgtgtgcga tcgtctctca 480

tcctgcggat gttatggtga gtaagttgaa cgcaaatcgc ctgcctggtg aggccttttg 540  
 tgccgccaca ggcaggattt acaaggaaat cggctttatg ggtctatgga acggcctccc 600  
 cgtcaggatc atcatgatcg gaacattggt gagttcatat acagttattc ctaggccgat 660  
 gctaactcta ctccgtactg tagaccggtc tgcaatggat gatgtatgta tttccttgct 720  
 cgacttccaa cctatccgaa gcggaatcgg agctttcagg cggcatgtac tgacttaggt 780  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19231  
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 gcggcaatgg ttccagacaa cggagggtgt gtcttcgtca cagccttcag tggctctttt 180  
 gcgccatact ggattgatga cgccaaggga acaatttggt agtatattct caattattta 240  
 ctggactgta actgatcagc tctagttgga atcacgcaac ataccaacg tggtcacatc 300  
 gcacgtgcga ctatggaggc cgcttgcttc caaaccaaag cgattctcga tgccatggag 360  
 atggacagtg ggcactcctt ctctcagctc gccgtcgacg gaggaatgag caactcggat 420  
 atctgcatgc aggtgagttg cgaacttaat ttcgtactat cagtataaaa taagctaact 480  
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 atgagacgac agcgtctgggc gcagcaatcg ccgcccgtt cgccatcgat atctggaagg 600  
 aatttgatga acttaaaaac atgaaccgcg ccaaccgaac ctcatcacc cccgcaatct 660  
 cccgcgaaca aagccagaag atgtataaac agtggacgaa agccgtcgaa atgtctcgcg 720  
 gttgggtgga taccaaggag atgggaggtg aggacgacta gacgattgtc tctcctcttt 780  
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<210> 19232  
 <211> 828  
 <212> DNA  
 <213> Aspergillus nidulans



<400> 19232  
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 acaccccctc aaaatagccc aatccaagtc agtgaataac aacagctaac gcgtggtaga 180  
 ctacggcaac gaagttgagg ctgggcaggg cgtcgcccgt gccatcaaag agggcatcgt 240  
 gaaacgctcg gatctcttca tcgtctccaa gctctggaac agcttccacg atggcgagcg 300  
 cgtcgagcct atcgcgcgca agcagctgtc cgactgggga atcgactact tcgacctgta 360  
 catcgtgcac ttccccgtct cgctgaaata cgttgacccc gaagtccgct acccaccg 420  
 ctggggagaac gccgagggga aagtcgaatt gggtaaggcg actatccagg agacgtggac 480  
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 gagcaccacc cataccttac gcaggagcgg cttgtgacat ttgcgcagcg cgaggggaatt 660  
 gctgttacag cgtactcgtc gtttgggcct ttgagtttcc tggaaattgtc ggtgaaacag 720  
 gcggaaggag caccaccgct ttttgagcac ccagtcatca aggatatcgc agagaagcac 780  
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<210> 19233  
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 <212> DNA  
 <213> Aspergillus nidulans

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 tcgcgcgacg tctctaagct cgccgatctc gttccactcg gtgtcatccc caaaacactt 180  
 gatattcgag cgagcgatgc ggaaatcaag gctgttggtg acgatgttga agctagtatt 240  
 ggaccatttg acattcttgt caataacgcc gggtatatcc tcgaaggagc ggtagaggag 300  
 tgcaggtatg tcacgccata tcataccaat tgattccatt atccctgggt atgaagaatc 360  
 ccctgttcta acgcggaaat gagcagtaac gatgaaattc tcgccaatt tgacgtgaat 420  
 gtcttctccc agatccggt tctccgcgcc gttctccct ccattgcgtgc ccgcagagcc 480

ggggtcatcg ccaatctcgg ctctattgct ggggtgggatg gtactcccg cgcgggatc 540  
 tattgtgcct cgaaagctgc aattgccatc tacactgaat cccttcggca cgaggttgct 600  
 ccgctcggaa tcgacgtgac atgcattgag ccaggctatt tccgcaccaa ctctctcacc 660  
 accagcggcg ggcacaaggt cactgcgcgg aaacggatca atgacttaca tgctggcact 720  
 cagcaggctc gtgatgcgtt ggctgcttat aatctccacc agcctgggtga cccgggtcaag 780  
 ggggcaaggg ttattgttga ggctcttacg aaggcggggc gttgtgaag 829

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19234  
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 atccgctcgc atgtgcaccg cccttcgcag ccgcagggca aaggacgtt tgattgccat 180  
 atgatgattg cagaggtaca tccttaacct cacggtatac tcagctagag acgaaagcta 240  
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 tatattgctt ccactacgag gcggcgggtt cttcagtcgc cgccaaggaa ccagctgata 360  
 aggagacaac gcgcaagacg agtcctaagg agttgatccg ctttattcat gaggagggga 420  
 tgcaggcagg gatagcaatc aagccggata cgccagttga tgtgctgtgg gatatcttag 480  
 ctgcggatga tgagaaggag aggccagacg tgagttctct ctgctccact tcactttcgt 540  
 tgttggtaaa ccagacgagc gtgagctgac agctttctgt tactagatgg ttcttgtcat 600  
 gaccgtgcac ccgggatttg gcggacaaaa gttcatggcc tcagagcttc ctaaagtcaa 660  
 ggcgttgctg gagaaatacc cagacttgaa catcgaagtt gatgggtgggt tgggccttgg 720  
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<210> 19235  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19235

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cggctggcaa tatctgcttc tgcttctca tgacggcagt ctcgctcttg ctcatcgcct 180  
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ccgtcattgc cgtagtgtgc gccttctgca ccaagttctc cctctttttg tactgcttcg 300  
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cttcgggacc ccgtctagtt gtcgaggtcg atattgtcat ggaccctca gactccttgc 720  
gcgccacca cgatgttgcc gaggagctgc agacaaaact cgagtccttg cctgatgttg 780  
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<210> 19236

<211> 830

<212> DNA

<213> *Aspergillus nidulans*

<400> 19236

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atgttccac aggcattggc ctataccagt cgacccaaat gactcctcca ccagctggc 180  
cgactgggac tttgttaaga catggtatgg caagatattt ctctcgctta tggctggatt 240  
cctgtttcta agctctacag ggaagaactg caaaatcttg cggcaaccaa agtgcgaaat 300  
attggtgtgt caaacttcgg catcgcacac ctcaggagac tgctcagcca ttcctcttgc 360  
aagattgtcc ctgctgttaa ccaagttgag gtacacaatc caccagatac atgttgttcg 420  
cgtatcgact ttctgacaac atagttgaca acatagcttc atccctattg gccatcaaga 480

aagcttttgc agtactgccg caatcatgag atccattgta cagcctattc ctgccttggg 540  
tctacagatt ctccgctact agaagacaaa gttttgcttg aaatatgcaa gagaaggaac 600  
aagtcaccgc agcaggttct gtacgtttca agtccttatt tagtaccatg ttatgctatg 660  
gtatgttgtc cccagcactg acaattcaag gatcatgtgg gggctccagc gcggcaccag 720  
tgtagtacct aaaaccgtca acgctgctcg cattgaggaa aactttgatt tgaatggctg 780  
ggcactgagt gacgatgaat tggacaaatt gaaccgatgc accacccggt 830

<210> 19237  
<211> 830  
<212> DNA  
<213> Aspergillus nidulans

<400> 19237  
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ttgaagacta tcccgaattc cgaaaacttt caggcaatgt gagcaaacac gtcacactgg 180  
tcggggaact cagtcggcga gtgggtgagg aaaaccttct cgatgtgagt gagttggaac 240  
aaagtctggc ttgcaatgac aaccacaata gcgacctaaa ggtatggtac tcttacattt 300  
gatctgtcct caaatcctaa cgctttatag actctgcaaa ggatcattca attacctaca 360  
gtgccccctg agaataaatt gcgactagtg gctttatatg ctatcagata tgagaaacaa 420  
ccgtccaatg cccttcgggt ccttcttgat cttcttgtga cggccggggg tgttccttct 480  
caccgagtca acattatacc aaaattactg gcctaccacc actctctcca agctccgcca 540  
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ggtggcggtc atgttcggga caagccacag gatattatca ttttcatggg tggcggaaca 780  
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<210> 19238  
<211> 832  
<212> DNA  
<213> Aspergillus nidulans

<400>

19238

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aatgcttgta tgcaggaatc aacctgagtt tcgcgaaaca gctcttggag aatggctgca 180  
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cggccaagat tccccgggct gtattccagc gaaccgacgt gagggagtgg aagcagctcg 300  
agcagatggt tgaggttgctg gagaaggaat ttggcgaggt ggacattgtc tgccttggcg 360  
ccgggattta tgaaccgggtg cgttctctct acgtatcctt accttgtccg tctaggctga 420  
ccgaccggtt aaagcactgg agtaacttct ggcgccctcc aggaacggct gtgagccgctg 480  
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cgtcacagct cgcaatctcg cacttctctc ggtccggaac agacagcaca cgccgcaaag 600  
cgattgtgca catctccagt atcgagggc aaaaccggtt cctcgagcg cccatctacg 660  
tcgccacaaa gcatgcgac aatgggttcg ttcgctcgct cgccaaactc gacgagcgct 720  
gcgggatccg cgttacggcc gttgcaccgg gcatcatcaa gacgccgctt tggaccgacc 780  
acccggagaa actgaagata gtggatgata cgaaggatgc gtgggtgacg cc 832

<210> 19239

<211> 832

<212> DNA

<213> Aspergillus nidulans

<400> 19239

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agcgatcaat ccttcttaca atggacaacc tccctgcgca tctttctggc ctagagctag 180  
caccacctcc tctaataata cgcactgtct ggctgccaaa gaattcaaca agccggtacc 240  
agcctctcga tcagggtatt atccagaacc tgaagatata ttatcggaaa cagtgggttaa 300  
gatatatgct ttcccactat gagagggacc tggatccact agaactctgtg acgattctag 360  
actgcatacg ctggcttgta cggctcctggc atcatgatgt cctaagctca actatccttg 420  
cctgcttcta taagagcaca ctggttcag atcctataca gcttccagtt gaagcacctg 480

atctaaaacc actatatgag aaggtacagc aatctgggaa tctatcagat tgtatggata 540  
tctccttctt tcttaaccct gcagaggagt ctcaagagcc tactagctct agtaatggga 600  
tgtcctctga ggtattactt gagcagctaa ttactgaggc ttctgggagt acagatatat 660  
attcggacga tctagatgat gatacagctg agccagcacc tcttccaaag cctcaggatg 720  
ctcttgatgc tgtaagacta ctgatctctt atatggaggg tcaggatgca tctaaagcac 780  
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<210> 19240  
<211> 833  
<212> DNA  
<213> Aspergillus nidulans

<400> 19240  
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gggggccatg acgctgatta ttggagtgat tgggttctgg tggttaccgg acacagccca 180  
gagcgcgtgg tttctcacgc agcgagaacg agacgcggct tctgccaggc tcctgagggga 240  
tacgtctgca gagatcgaga caaaactgga gctgaaggct gcatttcaaa catggagcga 300  
ctggaagttt cccatctggg ctgttatcac cttttcctac ccggttgct atgcgacggc 360  
gatgaacttc tttccattg tatgtccccg aaagctacat tacccttttt tttttttttt 420  
acattattat cagggttattt ttactgacga cgcagatcgt ggctcgctc ggctactccg 480  
tcgtcaagac gaacctctgg actgtagcgc ctaatctcgt tggcgcggtg gtactgctcg 540  
tcgtcgctaa gtcactgat atcttccgcg agcggtcctt gcataatc tttagcctga 600  
cggtttcact ggtgggaatg ttgatcctgg ctagtattga tgtctcgcat aacaagggcg 660  
tctcgtactt cgctgcttc ttactcgcat ctggtgcata cattccgacg tgtctcgtgc 720  
acgcctggca caataacaat aacacgaacg agaactcccg cgctgctaac actggcttct 780  
ttgtcgggct gggcaatata gctggtgttc tgagtgccgc taccttcagg aca 833

<210> 19241  
<211> 834  
<212> DNA  
<213> Aspergillus nidulans

<400> 19241

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gtgccacccc agaatacctt gcaggtcact acatcctcca agccgcctcc tcattcctcc 180  
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gtggtaaaac cacctacatc tccgctctga tgcgcaatac tggctgcgtc atcgctaacg 300  
acgcgagcaa gccccgtgca aagggtctta ttggtaacat ccaccgcctc gggtgcaaaa 360  
acaccatcgt cacgaacctt gacgcccgcg cagcttttcc caaggccatg ggcggttttg 420  
accgtgtcct tctcgatgct cctgcacag gtacaggcgt tattgctaaa gaccctagcg 480  
tcaagaccaa caagaacgag cgtgacttcc tcgcaattcc acacatgcag cgccagctcc 540  
tcctcgcggc gattgactcc gtcaatcacg ctccaaaac cggcggctat attgtctatt 600  
ccacttgacg tgtgacagtc gaggagaacg aggctgttgt ccagtacgtt ctcaagaagc 660  
ggcctaacgt caagctcgtc gagactggac ttggcgattt cggttcacca ggcttcactc 720  
actatatggg caagcacttc gacgcgaaga tgacgatgac gagacgctac ttcccgacc 780  
gcgagaacgt cgatgggttt ttcgtctgta agctgaagaa gattggctct acgc 834

<210> 19242

<211> 834

<212> DNA

<213> *Aspergillus nidulans*

<400> 19242

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ctctgtacaa caaccgccac cttgttcttc gtggtgagac tgcttcgtca gtgatgaaag 120  
tcagggctgc gaccctgaag gcctttcgtc agacattcga cgagctgcgc atgactgaag 180  
taactccacc ggccatggtt caaacacaag ttgaggagg aagcacccta ttcaagttcg 240  
actactacgg cgaggacgcc tacttgacc agtcttctca gctctatctt gagacttgta 300  
ttccgtctct aggagatgtc ttttgcgtct gccatcctt ccgtgcggag aaatctctca 360  
cccgcgccca tctctccgag tacactcaca tcgagtcgca gctagacttc atcgaattca 420  
cggacctcct cgaccacctt gaggccgtca tctgccgtgt cctggagatc gtcctagccg 480

accctgtcgc caaaccatc attgcgcaac tcaaccccg cttccagatg cccagccgcc 540  
cattcctccg catgaagtac tccgacgcca tcgagtggct gcgcgagcac gaaatcccca 600  
acgaagaagg caagcctcac gagttcggcg acgatatcgc cgaagccgcg gagcgcaaga 660  
tgaccgatat catcaaccgc cccattttcc tcacgcactt cccggccgaa atcaaggcct 720  
tctatatgaa gaaggaccct gaagaccgcc gtgtcactga gagtgtcgac gtcctgatgc 780  
ccggtgttgg tgaaattgtt ggtggaagta tgaggatgga cgactgggac gaggc 834

<210> 19243  
<211> 835  
<212> DNA  
<213> Aspergillus nidulans

<400> 19243  
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agcaagaagg tcggccagac tcgacgatgg tacaaggatg ttggtctggg tttccgtacc 120  
ccaagaccg ccattgaggg cagctacatt ggtatgcacg acttgaactt ttttttctcc 180  
ggttcgaaaa ttgcggtttg gcgactggcg gtggttttcc cctcgaggtc tggaattgag 240  
aatgcgcgga tggcgaacgc aaaatctaca cttacattca atatgttggg aagcggatga 300  
attggatgac ggtgtctgga cttacaatat ccgggctagc gatacgattc ctgattctca 360  
atcctcaatt ctcatatctc agactttcgg ggagaagatc catctactct atacgctcta 420  
cgcttttttt tcggccgcag aaggattaat gctgacttgc aaactctaga caagaagtgc 480  
cccttcaccg gtatgggtctc tatccgtggc cgtatcctga ccggccgtgt cgtctccacc 540  
aagatgcacc gtaccatcat catccgccgt gaatacctcc actacgttcc caagtacaac 600  
cgttacgaga agcgtcacia gaaccttgct gccacgtct ctcccgtttt ccgtgttgag 660  
gaaggtgact gggtcaccgt cggccagtgc cgccccctca gcaagactgt acgtgatacc 720  
tgaggagccc taacattcat acttctcaat ccaatatatt ccatcttata tgccaacgaa 780  
cgaattctga ctttctgatc atcaggtccg cttcaacgtc ctccgtgtcc tgccc 835

<210> 19244  
<211> 836  
<212> DNA  
<213> Aspergillus nidulans



<400> 19244

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tactagggat ttaagactat gggctatgga ttatgatact aagatacggc gacagcttcg 120  
ccggaagcga gacgacagcc ctgactctgt ccggcatcct ctacaacatc ttccgcaatc 180  
gagccgtcta cgaaaaactc acttctgaga tcgacgctgc gattacgagc caccagctga 240  
gccggccgca catcacatac accgaggcta ctaggctccc ctatctgggg gcctgcatta 300  
aggaggggat ccgaatgcac ccgatcaccg gggctctcatt cccccgccac gcccacatctt 360  
gcggatgcga ggttggcggg tactggatcc ccgggaatac acgcgtaggt gtgaaccag 420  
cagtcattca tttcgacaag tccgtctttg gggaggacgc gggatatattc cggccggaaa 480  
ggtggataga ggccggcgcg aacgtggcta atatggattg tcatataatg cagtttggca 540  
tgggagcgag ggtttgcctg gggagaagtg tgagtgcagt ttggctgtat tgattctttt 600  
gctctctttc tccatattgt gttgcgtgtt cagtttcgtt gctttttcgt ttctttttcg 660  
ttgctttttt ttgttgcggc tgtcaagtca gtgctgactg acggggtaga tctccatgtg 720  
cgagatctac aaagctattc cgcagctact gcattcattt acctttgaaa tgggtgctga 780  
ggagcccgtg aagacgactt cgtattggtt ccataaaccg gttgccatcc acgtga 836

<210> 19245

<211> 837

<212> DNA

<213> *Aspergillus nidulans*

<400> 19245

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gttttgccac gataatcgga tactccaccg cgatctcaaa cccagaatc tgcttatcaa 120  
ctccaagggc caactcaaac tcgccgattt cggccttgcg cgcgcgttcg gaattccagt 180  
caacacattc tctaagagg tagttacgct ctggtaccgc gcaccagacg tgctcctcgg 240  
cagccgcacc tataatacga caatcgatat ctggtcgatc ggttgcatca ttgcggagat 300  
gttcaactggg cgcgcgttgt tttctaggca cgacgaatga ggaccagctt cagaagattt 360  
tccgcgtcat gggcacgcct tctgagcgta cttggcctgg agtttctcag tttccggaat 420  
acaaaagtga ttttccggtt taccctctc aggacctgcg acaagtcgtc cctaggattg 480

atccatacgg tctcgaccta ctccggtgta tgttgcgcct tcaaccggat ttacgaatca 540  
 gtgccgtcga tgcgctgcga catccttggt ttaatgatgt tcctgtttct cagccagtcc 600  
 ctgtgtgatt cgtagccagg tgagaacaaa gaagggtctt tcggctatcg ctagcgatat 660  
 tcctgtacag caccacatta atgcctcagt agcttggctt cccatgtgag ccagccatgg 720  
 atacggagct tagtttctga tctacctatt gatcatggta tggaggctct cacttgacgc 780  
 gaatgggaag atcaaatggc atactataga gtccttctct gggccaactt tgcaatg 837

<210> 19246  
 <211> 837  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19246  
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 ctcaacttcc cgatgagtag atcgaacttg agaagcgcgt ggatgccctg aagctagtgc 180  
 accagaaact ccttcagggt acgtacgttg cattctatat caatctggct gtggtatgct 240  
 aagggtgtgca gctctcaata ctccaacgaa gcctacgact acccccctaa catccgcgaa 300  
 tccttcaacg atctcgggcg caccatcaac gaaaaagtcc accttctgtc gcaggccagc 360  
 acccctgccg aagctcaggc tgcactaacc gcacccctt cagcaaaacc gcagccaag 420  
 accttcagcc atgccattgc gcgcgcttcg ctagctggct cccagactct ggggaatact 480  
 acagctggtg aggatccgct cgcaactgcc ctggagaagt atgcgctggc ttcggagaag 540  
 gtgggcgagg ccgtctggcg caggacgcc aaatccagtc gcgctttctg gctgggtgga 600  
 acacaactct gaacacgaac ttgatgtttg ctgcgaaggc gcgtaagaac gtggagaatg 660  
 ctcgactcat gctggactcc atcaaggcaa agcatggttg tgatttggat aatctgagcg 720  
 aggaggcccg ttctgagatt gagcaggcgg aagatgagtt tgttggacaa actgaggaag 780  
 ctgttagcgt tatgaagaat gtatgtttgc caatatgagc tggagggtgtg ttgttgg 837

<210> 19247  
 <211> 838  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19247

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ccattgtcaa tagttggctt actagatcca aaggagacgg aggcgcagat gcagacgcca 180  
cgaagacata cgttgaggaa atggtcgcca gcccaacggc ccgcagtgtc ggcggattca 240  
gccttgtttg tgggtacgtg aatgagccat tggcgattgt gtcgaacagg tcaagtacca 300  
tggaccaa at tacatggatt gcggaaga aggggcagac gaaggggttg agtaatactg 360  
tttttgacga tcggagttgg ccgaagatct tggatggtga gaggctggtg ggggaggcgc 420  
tcaagaagca tgtagaggag ggagaggag agaaagagct gattgagagg ctactggacg 480  
tgctgaatac gaactcgtg cccgagttga aaggcgatgc gacggcggag gattatttac 540  
catatttcag gcagagcatt ttcataccgc ttattgggac gaggataag acgggttcaa 600  
agtttcctgc tgcggctgcg gagattctgg agccggggtc gacaccatcc gtctgtgctg 660  
aagggcacag caacggagtg gcattggatc cagcaattgt gaaggaggcc aatccccgaa 720  
acgatgta at cgaccagtcg tacctgcatg gtccatacgg gacacagaaa caaacgatta 780  
tcctggtgac caaggaaggc cgagtgagat actttgaacg gaccctctac gaccagga 838

<210> 19248

<211> 838

<212> DNA

<213> *Aspergillus nidulans*

<400> 19248

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tgagcggcca ggttacgtat gcaaccggaa gatccagtat ggaggtctcg ctccagggtg 180  
ccaaggtccc tgcgcctggg gagaagccaa acccgagga tgctctaatt acttgcgctg 240  
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tagttatgct tattgacttt gtcagaccgg tcaatgttgc acctctgttg gttgaaaccg 360  
aagaagaacg cgcatgttgc gaaaaggggg aaaagaatta tcaagcaaag aaggcattga 420  
ggaagcggag ctttcttgag aaagcacctg acgctgagga gagcaacctc attcactccc 480

tatggacgaa agaaatgtca tatctgagta agtgcagtag gcataaccgc ctattcggat 540  
acatactgat cagtacagaa tctcctgaaa aacgacccgc caacaccatc tctatgagcg 600  
acgcagtcct caaatccgcc atgattatgc agccgcaaga ccgcaaccgc cacaacttca 660  
tgatctttgg cggcttcttg ctcaagcaaa cctttgagct cgccttctcg tgcgcagcct 720  
cattctcgca cgcccgtcca aacttcattt ctctcgatcc cagtactttt gagaaccag 780  
ttcccgtcgg aagtgtgctc taccttcgcg cgaccgtcgc ctacaccgag ccgctgga 838

<210> 19249  
<211> 838  
<212> DNA  
<213> Aspergillus nidulans

<400> 19249

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gtcgattatt ttcgaggagt atgcttagcg gattctgcgc cactttctgt ctaactcaga 180  
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tggattgatg aagtaaaacg cacctacggt cttccatcca cgaagtacgc ctgtgtcggg 360  
taagtagaac caaatccgc tgttgggccg ctttacctga ccagtcctat atcataggta 420  
ttgctttggc gcaccatatg tctgttccga actggccaaa aataccgtca atgctggtgc 480  
at ttg cgcac ccggcgttct tgaagaatca tcattttgca aacatcaaga gtaggggttg 540  
tctatcgggg ggtttggcac agaaggtctg attgggtaca gagcctcttt atctatcatg 600  
ctccgaggaa gatcatacat ttgatcagga ctctcgccgg acggctttgc agatcttgca 660  
ggccggcaag aaaacctacc acctccagct tttctccggc gtcgagcatg gctttgcttt 720  
gcggggaaac atggacaatg cttatgaacg tgagtgttgc tctttgtgaa tctggggcca 780  
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<210> 19250  
<211> 838  
<212> DNA  
<213> Aspergillus nidulans

<400> 19250

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<211> 839

<212> DNA

<213> *Aspergillus nidulans*

<400> 19251

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ggataaaaaga cgtccaagaa ggtgacatcc ttgccaaaat atcaggatcg tggcacggcg 480

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<210> 19254

<211> 840

<212> DNA

<213> *Aspergillus nidulans*

<400> 19254

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 gggttggtac ccggttcatt ctttctgagg aggcgggtgc tcccaaagct caccaggaag 780  
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 <213> *Aspergillus nidulans*  
 <400> 19255

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 <212> DNA  
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<210> 19257

<211> 841

<212> DNA

<213> Aspergillus nidulans

<400> 19257

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<210> 19258  
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 aataccccga attcagtcag ctccggctca gaattagcga ctacggtagc atcgataatc 420  
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<400> 19259

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<400> 19260

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<400> 19263

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 <213> *Aspergillus nidulans*

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 gtgctttccc aatggcagat atgtcgaggc cgtcgcccg aatcgcaaac atcgcggatg 780  
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 <213> Aspergillus nidulans

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 aattccctgg cttcacgcat ttcaaatgc accagccgta cggctcgccg gcgccccaaac 480  
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 <213> Aspergillus nidulans

<400> 19266

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gaaacgattg cgtggtctga tggatcagag gtggaagcct gcagtgaggg tggctttaat 540  
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gcctctagtt tcaactgctcg agttgcatct gcaggcaatg gtggaaatct cgagctgcac 660  
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caggtgtggg aaaatgtgga ttgccagtt agtaacagta catctactca cgatctgttc 780  
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<210> 19267

<211> 845

<212> DNA

<213> Aspergillus nidulans

<400> 19267

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tcaaggctaa tttcacgaat ctgaaaacca ctttatttgg ggacgagtag gagtatectc 240  
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cgaaggccgc aggggaggaa ggcgtcacgt ttatattgag cacggcgacg tcaacaagcc 360  
tcgagaatgt tgcgaaggca aacagagacg ggccaagatg gtaccagctc tattggccca 420



gcaacgagca tcacgacatc acggctagtc tgctgaaaag agccaaagag aatggatata	480
aggtgcttgt tgtaacattg gatacgtata tgctcggctg gcggcctagt gatctcgaca	540
atggttataa tccgtttcta cgcaacgata acatcgggtg ggagatagga ttttcggatc	600
ccgtttttccg gaaacgattc aaggagaagc atggagccga ggtggaggag gatgttggga	660
aggcagcaca ggaatgggcg catacaatct tcccgggtac aagccacggg tgggaggata	720
tcagcttctt aaaggagcat tgggatgggc caattgtgtt gaaaggaatt cagacagtcg	780
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 <213> Aspergillus nidulans

<400> 19268

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acaatgcctt gcgactgaat gctgacatcg ggtctaata tagactcgacg aacccgcccg	180
aggcatcatc ggctegaga gactcatgct cgagagtcc ggtttcgatt ttcgaacgcg	240
gcatccacaa aaaactctca taaagctggc aagacagtat agacttacac ctcaatcaga	300
agtctcgaac gtagcctacc gcatctcgca agacctctat cgacaccttg cgccgctcaa	360
gcagacgaca tctacgatgg ctttcagctg cctggagctc gccggacgct tactggaaca	420
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ggttatgggt acgtcgaagc cacaagaag ccatcagagg actaatggat ttagaaactc	540
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ttcccgtga ccgcttcctc accgtacgca ttccattgaa caaagaggca gaagaacaga	660
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gaccagcaac caacagctca aagacggaaa aaggagcacc gacgactggg gctcttcac	780
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19269

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cggaaaagcg ccgcacaagc aggaaagcga aattcgactt cacggactgt gcaagccccg 180
aaaaagcaca aaagaatgtc tcaggggact cctgacaaga acgcaagtgc aaacgagact 240
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gatccagaca atgactctgc ccttgccccg gtcagtatcg ttaattataa cggcgaccaa 480
gtatacgact catatgtacg gcctaaggag atggtgacgg actggaggac acatgttagc 540
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ctacttctca gtcaccccaa acgcgacatc agggatacca gtaagcatcc tccatatcgg 720
aaagtcgctg gtgggggggtc tcctcgactg aaaatcctgg cctctgagtt tctcggacta 780
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cggcggg 847
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<210> 19270  
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 <212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
 <400> 19270

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cattgggaac ctccgcggac gaccagccg gccccgtcgt acaggccatt cgtcttctcc 180
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 ggacgcgact ggttcttgcc cttcatttgg agaccgcaga tgctaccagc nttccccctg 540  
 gtggccgccc ggcttgacag gagagctatt caaagggaca tcggcgaggg tgcggatatc 600  
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 gcaaaggctg gagtcttcga tctgaaatca atggcttttg agagtaccga aggaatttta 780  
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 <213> Aspergillus nidulans  
 <400> 19271

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 gcttgggaaa ggctccccg tcacaaagcc attaaggccg cttgtggcgg tgcccaccac 360  
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 caaaactgga attgcccacc gcaacctcaa acccactcta ggaatctgtg atcctctcaa 480  
 cacacgaacc atgccatcag ccgtacacgc ctcttcaggc ctgcagcttc tctgccactc 540  
 gctcgaatca tggaccgcga tcccctacaa cgaacgaacc ccgcgcccc caaaccccat 600  
 caaccgcccc gcatatcagg gcgccaatcc catatccgac atcttctctc tccaggccct 660  
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gtcacagatg ctctctgccg ccacgttagc tgggtgttga ttcggaaacg ccggcgtcca 780  
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<210> 19272  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19272

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<210> 19273  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19273

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<210> 19274  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19274

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<210> 19276  
 <211> 854

<212> DNA  
 <213> Aspergillus nidulans

<400> 19276

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 <213> Aspergillus nidulans

<400> 19277

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 cgtggcatgg ctcttcatgt tatgtatcaa ctaatgtttt tgttgtacag gcaacacacg 780  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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 gcgacagagt gggatcgccc gtacaccgc gagcaggcgg cctaccctct tccttacctt 720  
 ctcgagaaga agttctggcc ctccgtgacg cgagtcgatg atggttaagct ttaaccccg 780  
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856

<210> 19279  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19279

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<212> DNA  
<213> Aspergillus nidulans

<400> 19280

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19282

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 <213> Aspergillus nidulans

<400> 19283

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<212> DNA  
<213> Aspergillus nidulans  
<400> 19284

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<212> DNA  
<213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

<400> 19286

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ggtaagtcag caggagcctt cgaaatacag ttactaatga ggtcaggctc tggcaaaaacg  180
agcacggcca ggaagatggg caaagtgtac tatgatatgg gtctgctgtc atctgcggag  240
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 <213> Aspergillus nidulans

<400> 19287

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gccctgccga cgttcagctc gctagctgtg atcgacatca tgggaaaagt cactgttgac  180
atgccgaaac tcttgccact atataagccg agccagcacc cgcatgtcca cgcagagcat  240
tctctcgaga taagagggcc attgccaaga tcgggaactc taacctctga ggcgaggatt  300

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 cccgacgcgg tgctcagcca ccagacaacc cctgaacaag gtgctctgta tcgagcggca 540  
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 <213> *Aspergillus nidulans*

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 aatgcctac atgcgcacct cagacgagga gcaacgccgc ctggaacaca tgccccacgat 240  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19289

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<212> DNA  
<213> Aspergillus nidulans

<400> 19290

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 <213> Aspergillus nidulans

<400> 19292

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<400> 19293

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<210> 19294

<211> 864

<212> DNA

<213> *Aspergillus nidulans*

<400> 19294

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<210> 19295  
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<212> DNA  
<213> Aspergillus nidulans

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<210> 19296  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19296

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caggtggtag ggtccaagca tccttccacc ttaaccagta tggacaacct ggcaaccaca 660
taccggaagc aaggacgatg gaatgaagca gaagagttgc aggtacaggt gatggagacg 720
tggaacacagg tcctagggcc agagcatccc gatacactaa tcagcatggc caaccttgca 780
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<210> 19297  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19297

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gcacaagaag tcgccgacac gacgttcttc ccagaagacg ctgaggacag gcttgatcgc 240
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<210> 19298  
<211> 867  
<212> DNA  
<213> Aspergillus nidulans  
<400> 19298

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tcaatgagtt cttctaccgt gcaactgaaac caggagccag accctgttct gccccgcatg 180  
aaccgggat tgttgtttcg cctgcggact gccgtacggt ggtgtttgac cgcgtcactg 240  
aagcaaccag tgtctgggtc aaagggcggg aattctccat caagagactt cttggaaatg 300  
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<210> 19299  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19299

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<210> 19300  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19300

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gcagcttact tgtttggtgt gaagggga 868

<210> 19302  
<211> 868  
<212> DNA  
<213> Aspergillus nidulans

<400> 19302

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caacttgggt gttatgctag gctacggggg actgcgcgat aacgacatgg tacgcaatga 300  
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<210> 19303  
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<212> DNA  
 <213> Aspergillus nidulans

<400> 19303

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<210> 19304  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19304

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<210> 19305  
 <211> 871  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19305

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871

<210> 19306  
<211> 871  
<212> DNA  
<213> Aspergillus nidulans

<400> 19306

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<210> 19307  
<211> 871  
<212> DNA  
<213> Aspergillus nidulans

<400> 19307

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<210> 19308  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 19309  
 <211> 872  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19309

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<400> 19310

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<400> 19313

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<400> 19314

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<213> Aspergillus nidulans

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<212> DNA

<213> *Aspergillus nidulans*

<400> 19321

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<400> 19323

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<212> DNA  
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 <213> Aspergillus nidulans  
 <400> 19338

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<400> 19340

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 <213> Aspergillus nidulans

<400> 19341

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 <213> *Aspergillus nidulans*

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<212> DNA

<213> *Aspergillus nidulans*

<400> 19348

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<400> 19350

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<213> *Aspergillus nidulans*  
<400> 19355

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<212> DNA  
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<400> 19357

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 <213> Aspergillus nidulans

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<400> 19359

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 <213> Aspergillus nidulans

<400> 19363

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 <213> *Aspergillus nidulans*

<400> 19365

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<210> 19366  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19366

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<210> 19367  
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<212> DNA  
<213> Aspergillus nidulans  
  
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<212> DNA  
<213> Aspergillus nidulans  
  
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<210> 19369  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 19369

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<210> 19370  
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<212> DNA  
<213> Aspergillus nidulans  
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<400> 19370

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<210> 19371  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19371

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19372

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19373

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<210> 19374  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19374

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<213> Aspergillus nidulans

<400> 19375

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<213> Aspergillus nidulans

<400> 19376

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<210> 19378  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19378

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 <213> Aspergillus nidulans

<400> 19379

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 <213> Aspergillus nidulans

<400> 19380

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<400> 19383

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 <213> Aspergillus nidulans

<400> 19384

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<210> 19385  
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 <212> DNA  
 <213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 19387

<211> 918  
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 <213> Aspergillus nidulans

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<400> 19388

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 <213> *Aspergillus nidulans*

<400> 19390

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<213> Aspergillus nidulans

<400> 19391

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<211> 922

<212> DNA

<213> Aspergillus nidulans

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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 19396

<211> 926

<212> DNA

<213> *Aspergillus nidulans*

<400> 19396

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<210> 19398  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19398

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<210> 19399  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19399

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<210> 19400  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19400

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 <212> DNA  
 <213> *Aspergillus nidulans*  
 <400> 19401

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19402

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<210> 19403  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19403

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<210> 19404  
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 <213> Aspergillus nidulans  
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<210> 19405  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19405

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932

<210> 19406  
<211> 935  
<212> DNA  
<213> Aspergillus nidulans

<400> 19406

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<210> 19407  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19407

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<210> 19409  
<211> 937  
<212> DNA  
<213> *Aspergillus nidulans*

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<210> 19410  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19410

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gtataagggc tttcttgact acctagcaaa tgcattcagg cgcttcaaga tcgggtacag 420
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cgaggtagct attgattctg ctaactccat ggaggtacaa gatgcaccac tggccaagct 900
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<210> 19411  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19411

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aacatcctga cctgggacca caaaccccc agcgattttc gtgccgctgc ccgagacaac 180
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ctcgcccttg ccacgggctg caccgacgtc ttgccggata tcaaggggtt cagcgagttg 360  
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<210> 19412  
<211> 938  
<212> DNA  
<213> Aspergillus nidulans

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<210> 19413  
 <211> 940  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19413

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 acagggcgcc aaggttgccc tggtagacta caatgtcgat tgggcacaag agacaaaacg 180  
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 gagacttcag gatcaatgtg actagcatgg tgctgatgag caggtatgtc ataccggaga 480  
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<210> 19414

<211> 941  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19414

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<210> 19415  
 <211> 942  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19415

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tcgacctaca tccgcatgat tggcggtata gcgctcatgg cgcagatagg ctgcttcgtg 180
ccctgcaccg aagcagagtt gacgatcttt gactgcatcc ttgcccgtgt tgggtgcgagc 240
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 atttacgacg gattcgggtct cgccctgggag atttcagagc acattgtgac cgaaatccgc 420  
 tgctttggac tattcgcgac acacttccac gaactcacga cacttgacga tcgatacccc 480  
 aagtctgtca agaacctgca cgtcgttgca ttcacgcggc acggaacaac agcgaacgaa 540  
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 gggagtgcgc tggtgaaagc gctgctggtg aagtggaaga gtgcaattga ggagccgggg 840  
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<210> 19416  
 <211> 942  
 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 19416

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 gccgtctacg acccctccat aacccaaata aacacctatc gcggcggggc ctaccaacaa 420  
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<210> 19417  
<211> 943  
<212> DNA  
<213> *Aspergillus nidulans*

<400> 19417

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<210> 19418  
<211> 944  
<212> DNA

<213> Aspergillus nidulans

<400> 19418

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ccatacgtat tacggagaag acgagttctg gagtatgtat gaccggaaat ggtacgacga 840  
gctgcgggag aagtataacg ccaccactct tccgagtgtg tatgataaga tcaagatcga 900  
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<210> 19419

<211> 944

<212> DNA

<213> Aspergillus nidulans

<400> 19419

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 tttccacgta gacagagtcc aggacaaaga gagatttctt ttgataggcc gcctgcgtgg 780  
 tgattatata ttcggctaac aagatatggc agtaagtgtc agctcagtc aatgaccctg 840  
 taaactccca gtcaggggac caacctctaa atccagcatg tcctgccaaag tactctgttg 900  
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<210> 19420  
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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 19420

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<210> 19421  
 <211> 944  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19421

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 gttagtggaa agagcctata agagaggaat gccattggc atcataaata tcggaggcgt 900  
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<210> 19422  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19422

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cacgatcttc ctttctgtct ccaaagcaca gaccgcacct gcagcggaat taatcaaccg 180

ctttggccct gacacgcccc cgcagcaa atccgagga attttacgaa aaggcgaagt 240

gcaagtgggg gagcgcgagc gaaaagaaat cgccgagcga attgagaagg aggtacttga 300

tattgtttca ggctgactga ttgatccgac gacgaagagg gtttatacgc cggggatgat 360

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agcgcagaca ggagaaaatg gagcgggtga tgaagacgcc gcagcgcta ggcaacagaa 480

gaaacctcta tggacgggtg tgaacccaaa caagtcggcc aagagtctcg cgcttgaggc 540

gatgaaggcg ttgattgcgt ggcagcctat tccggttatg agagcacgga tgcggcttcg 600

agtaacttgt cccgtgtcgc tgctaaagca gagggttaag tccgcggcgc cggctgggtc 660

aaataacaag gagaaggaat ctcaaagcgg tgggtggtgtt caaagaacaa aaaaggtgga 720

aagggaaga aatcggtcgc ccgcggtgac gacactgact ccgaggggtga gaggcgcct 780

gtccagcaa agggcccgag caacgtcaag gataagatcc tgagttttat cgaatccatt 840

gagtcacagg agattgctag cgatgaatgg gaggtggttg gttttgcaga gcctggtgca 900

ttcaaaggac tgaacgagtt tggtggcaat gagactcggg ggcggg 946

<210> 19423

<211> 947

<212> DNA

<213> Aspergillus nidulans

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19438

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 <212> DNA  
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<400> 19439

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<210> 19440  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19441  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19441

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<210> 19442  
 <211> 971  
 <212> DNA

<213> Aspergillus nidulans

<400> 19442

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<210> 19443

<211> 971

<212> DNA

<213> Aspergillus nidulans

<400> 19443

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 <212> DNA  
 <213> Aspergillus nidulans  
 <400> 19444

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<210> 19445  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19445

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974

<210> 19446  
<211> 974  
<212> DNA  
<213> Aspergillus nidulans

<400> 19446

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gatgagcaag tatt 974

<210> 19447  
<211> 974  
<212> DNA  
<213> Aspergillus nidulans

<400> 19447

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<210> 19448  
<211> 975  
<212> DNA  
<213> Aspergillus nidulans

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<210> 19449  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19450  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19450

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<210> 19451  
 <211> 976  
 <212> DNA

<213> Aspergillus nidulans

<400> 19451

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tgggagtgcc ctggcg 976

<210> 19452

<211> 978

<212> DNA

<213> Aspergillus nidulans

<400> 19452

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ctttcaccac gttcttcccg cgggtacctga tcaccgacga aaccgagttg gagagctggg 180  
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 gccattgcag agacgaagac ggttgaggat gaggtgattg ttgcagattg tgatttagag 900  
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<210> 19453  
 <211> 981  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19453  
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 aatgccctat ttagtcggaa agtgctggac gatgcgggat tgcataatct ccacaggtgt 480  
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 tcgattgatt tcatccacgg agggcagata gcctgtcatg accgaacaca tgcagaaaga 960  
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<210> 19454  
 <211> 982  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19454  
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 tgagagcact agttctcttg tgcgaggtat gtgaactcct gcgtggttgt ccactactat 180  
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 cttgcccggg agtctcatcg tggacagtcg ccaaggatat cgttcggact cgcggctgga 480  
 ggggattata ttttgctggt ggaataacat gtgctagaga ctctatagga tacggattct 540  
 agtacgtatt tcctaagctc tttgatagaa ggcgtttgtt tacagggtga cagcttctgg 600  
 tcctacgaat actgcaagag gttaatgtcc tctcccgatg gagaagatac gagcaatact 660  
 gccttgaagg tgcttttttg cggcggcatt gctggaatag ttacatgggc ttccgtcttc 720  
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 gagatgtatc gagcggaagg cttcaaagcc ttttatcgag gcattggggg atgcagttta 900  
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982

<210> 19455  
<211> 982  
<212> DNA  
<213> Aspergillus nidulans

<400> 19455

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aagctaggct gatcagcttt cgttttgaaa gctggtcggt aaggactggg cagtgttctg 180  
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tcacacatcg ctattttcttt ttgctttttt tatgggggct ttcggttttg cttcaattta 300  
aattgtatgc tataatggcg tgctaactgg tacactaggc tgcttgggta cgtcacttgt 360  
caaaggacta tcctactctt gcattccacg cttcgatcaa caactctttt ggtaaaggat 420  
ctcttatcca actcctgagg caattttcat cactccactc cgaccgaaaa cagatctcgg 480  
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aagattgaag gccgcgaagg ca 982

<210> 19456  
<211> 982  
<212> DNA  
<213> Aspergillus nidulans

<400> 19456

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tcagcgactg acctaatatc acagagtcgg cgttttctcc cgactaacia actcatacgc 120  
 gcttgtggcc atcgggcgct ctgaaaactt ctacaggtac ccccccatc tcgtatagga 180  
 atttcaaacc tgccgatact gacatacgat agtgtgttcg aagccgaact tcaagacgtc 240  
 ataccattt gccatgccac aatcgcagga acacgcacca ttggccggtt aaccgcaggg 300  
 tgcgtcgaac gcttctccag caciaaacia tactcccaga tgtacatata ctgatggaca 360  
 acctgcgcag aaaccgcaag ggactccttg tccccacaac aacaacagac caagaactgc 420  
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 cgactggctt gctgtgacgg gtctcgacac aacggcaaca gaattaagcg ttatcgagag 900  
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<210> 19457  
 <211> 982  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19457

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 gtacatatgc ggcggttga ca 982

<210> 19458  
 <211> 983  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19458

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 acgaccagtg tgttccatc ggcaaggctc tgggcaaccg atccgttctg tacaagtatc 180  
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 cccaacctca cgtcatctcc cagtcttca tcatcgaga gccaatctct tacatggccg 540  
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 ttttgacaat tgttgcgctg gcaattggtg tttcgatggt ggctcctatg gtatgtctct 960  
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<210> 19459  
 <211> 984  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19459

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 cttctcgccg gacgagagta tcgtctatgt aaccgatacc gatgctgttt ggggaaacgg 600  
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 cccgccggtg tgctgctggg caaaatccag cttcctggca cctcggccaa cctggcggtt 900  
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<210> 19460  
 <211> 984  
 <212> DNA

<213> Aspergillus nidulans

<400> 19460

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ttagaagctg ctaatgtggc taagaaagaa tggatggtat ccggcgaagc tcgggcagcg 180  
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gttgatagga atggggccca tgcg 984

<210> 19461

<211> 984

<212> DNA

<213> Aspergillus nidulans

<400> 19461

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aacgctgttc tgtccacaca cagcacaatt gagaactccg actgcacgtt cctcgttgat 180  
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<210> 19462  
<211> 989  
<212> DNA  
<213> *Aspergillus nidulans*  
<400> 19462

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<210> 19463  
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 <213> *Aspergillus nidulans*

<400> 19463  
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989

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<211> 990  
<212> DNA  
<213> Aspergillus nidulans

<400> 19464

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gaaagagctc ggaggtatgc gcattttgtg ccgatgcttt gacttctaca ataccgtcat 180  
aagctaataag ctttggcggtt attagaggac tatattatct tcgattgtcc cggccaggta 240  
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<210> 19465  
<211> 991  
<212> DNA  
<213> Aspergillus nidulans

<400> 19465

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<210> 19466  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19466

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 agctaacccc tacagtggaa actcgaccgc g 991

<210> 19467  
 <211> 992  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 tgccttggtg cagcttgcat caggtatgtc tttcctcaat ctgcttagcg ttcaatctaa 180  
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tgacaaccag gtgtatgtgg cattgtgcag ccccgacgg gacacaactg ccacctacca 840  
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<210> 19468  
 <211> 992  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 aactggcacc gtacgtgctc tcatgccctt ttagcagaac gtcactcaca aatacatagg 600  
 tgatctcgtc cgtgtctgcg agaacattcc tattgtcctt tgcggtaaca aggtcgatgt 660  
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 gcatactgac agaaactttt gtaggaattc gttgctgctc ccgcccttgc tctcctgag 900  
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 cagcccctgc ccgacgagga cgacgccgac ct 992

<210> 19469  
 <211> 993  
 <212> DNA

<213> Aspergillus nidulans

<400> 19469

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ctttttatcc cactcaccag ctatatcttct gactgggtgac gggaatagcc cagctattgt 540  
cggcaccgcc gtcactact ccatttctcc taccgcagca tctagagtag gcctcctgat 600  
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<210> 19470

<211> 993

<212> DNA

<213> Aspergillus nidulans

<400> 19470

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cgcagtgtc cgaggtacgc gaccagccg cgtacctacg acgcaacgag ctcgccacgg 180  
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caacgcgcga tgcggagaac aggggcgtag tggttgatgg gagacagga gttagggagc 300  
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<210> 19471  
 <211> 993  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19471

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 aggaatccgg atagaagaga tttgtttacg act 993

<210> 19472  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19472

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993

<210> 19473  
<211> 993  
<212> DNA  
<213> Aspergillus nidulans

<400> 19473

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<210> 19474  
<211> 994  
<212> DNA  
<213> Aspergillus nidulans

<400> 19474

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<210> 19475  
 <211> 994  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19475  
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<210> 19476  
<211> 995  
<212> DNA  
<213> *Aspergillus nidulans*

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<210> 19477  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19477

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 gaaggagatc gccaaaggagc atcgcaagga ggggtgcgaaa gaagttgaaa tcctggacgc 600  
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 gttagaccaa cggatggatt gattaagaag gcaacc 996

<210> 19478  
 <211> 996  
 <212> DNA

<213> Aspergillus nidulans

<400> 19478

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cagcgtcggc gtgacgtcca agagcagcga tcccaacgcc gacattaata tcttctccgt 180  
cgcaagcggc cacctttatg aacggatgct caacatcatg atgggtctccg taatgaagaa 240  
caciaagcat accgtcaa at tttggttcat cgagcaattc ctctccccct ctttcaagtc 300  
cttctccca aacctcgctt ccgagtagcg cttctctac gagatgggtca cctacaaatg 360  
gcctcactgg ctgcgcgctc aaaaagaaaa gcagcgcgaa atctgggggt acaagatcct 420  
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aattgtccgc acagatatgt tcgacctgt cagctaccct ctcgatggag caccctacgg 540  
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cttgaaccgc ttccgcgctc ttgctgccg tgaccgctc cgcggacagt accagatgct 720  
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agcgttggcg aggaggggtg cggcgagtga ggttga 996

<210> 19479

<211> 997

<212> DNA

<213> Aspergillus nidulans

<400> 19479

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caaagtccac ggtctagcac cggggtcaa ctacggacag caggtgtttg aggggatgaa 180  
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<210> 19480  
 <211> 997  
 <212> DNA  
 <213> *Aspergillus nidulans*

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 aggatatctc caacgtcggg gctgacaagc ggtggtggga ctaccgggag ctttttgata 180  
 gtcgagagac gcggtaccgg tctatgctcg ttgtgttcat gggtaacttct cccaatcctt 240  
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<210> 19481  
<211> 998  
<212> DNA  
<213> Aspergillus nidulans

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attgattact actctgggta attggaaatg cacgtatgcc acgagctctt cgcaatatca 180  
atatctcagc aattgggatt cgggtggcaat ggaacaaaaa agcctggatg aaccaaatta 240  
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caatggacaa cctccctgca catctttctg gcctagagct ggcaccacca cctcccaatg 360  
tacgcatctg ctggctccca aagaattcaa caagccggtt ccaacctctt gatcagggga 420  
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tacgggcctg gcatcatgat gtccaaagct caactatcct agcctgcttt tataagagca 600  
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998

<210> 19482  
<211> 998  
<212> DNA  
<213> Aspergillus nidulans

<400> 19482

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ccttcgcgca catgatcatc gccggtattg aaactgccga aacaggcggg aatatcgcac 540  
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tgcctaaggg gaagaagaat taaagtccg cttaaata 998

<210> 19483  
<211> 999  
<212> DNA  
<213> Aspergillus nidulans

<400> 19483

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gccgtacagg caagtaccac gcctgcccag acgtcgtctt cttttcgacg cctccccacc 240  
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<210> 19484  
<211> 1000  
<212> DNA  
<213> Aspergillus nidulans

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<210> 19485  
 <211> 1000  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19485

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<210> 19486  
<211> 1001  
<212> DNA  
<213> Aspergillus nidulans

<400> 19486

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gttgcgaggg ctgtttgagg attacggttg gaacagaaga cgaggttacg aggttcttgg 960  
aagagatcag acatgttctc ggtggattgc ttaacggtaa t 1001

<210> 19487  
<211> 1001  
<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 19487

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<210> 19488

<211> 1002

<212> DNA

<213> Aspergillus nidulans

<400> 19488

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 ccagatgtct ccaacgcgcg ggttcgcgac ggagctgggt gcggccacga cggattgct 840  
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<210> 19489  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19489

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<210> 19490  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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1003

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<212> DNA  
<213> Aspergillus nidulans

<400> 19491

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gcacgcttac cgctgggtca attatcatga tttcagtatc gagaaggaaa aggactacat 480  
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cgggcgacct agcccgcatc cgcggaccct agttccacag gtttacgagg agatgggcga 600  
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<210> 19492  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19492

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<210> 19493  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19493

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 agatgtgata attcactaat tataaccttg tttatcctag gcccgagaac ttgtctaccg 900  
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<210> 19494  
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 <213> *Aspergillus nidulans*

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<210> 19495  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19495

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<210> 19496  
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<212> DNA  
 <213> Aspergillus nidulans

<223> unsure at all n locations  
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<210> 19497  
 <211> 1008  
 <212> DNA  
 <213> Aspergillus nidulans

<400> 19497

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<210> 19498  
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 <213> *Aspergillus nidulans*  
 <400> 19498

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 agggcagata gagacgcagg actggggatc tataccggga ggatatcaac atttctacga 900  
 gaatgtgcat gaggccattt ccggaaagac ggagcttgca gtcaagccta gagatgcgga 960  
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<210> 19499  
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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19499

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<400> 19501

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<400> 19503

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<213> *Aspergillus nidulans*

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<210> 19505

<211> 1012  
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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 19506

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 <212> DNA  
 <213> Aspergillus nidulans

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19508

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19509

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19510

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<400> 19514

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 <213> *Aspergillus nidulans*

<400> 19517

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<213> Aspergillus nidulans

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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA

<213> Aspergillus nidulans

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<400> 19539

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 <213> Aspergillus nidulans

<400> 19540

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 <213> Aspergillus nidulans

<400> 19541

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 <213> *Aspergillus nidulans*

<400> 19544

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<210> 19545  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19545

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<210> 19546  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19546





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<213> Aspergillus nidulans

<400> 19551

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<210> 19552

<211> 1043

<212> DNA

<213> Aspergillus nidulans

<400> 19552

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 <213> Aspergillus nidulans  
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<210> 19555  
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<400> 19555

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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19556

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<210> 19557  
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 <212> DNA  
 <213> *Aspergillus nidulans*

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<210> 19559  
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 <213> *Aspergillus nidulans*  
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<213> Aspergillus nidulans  
  
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<210> 19563

<211> 1052

<212> DNA

<213> Aspergillus nidulans

<400> 19563

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19566

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<210> 19567  
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 <213> Aspergillus nidulans

<400> 19567

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<210> 19568  
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 <212> DNA  
 <213> Aspergillus nidulans

<400> 19568

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<210> 19569  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19569

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<210> 19570  
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<212> DNA  
<213> *Aspergillus nidulans*

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<210> 19571  
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<212> DNA  
<213> *Aspergillus nidulans*

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1061

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<213> Aspergillus nidulans

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gacaaaaccc tttcatcgcc ccggcaggag ctgctagagc gggcgagcac gctaactctg 180  
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<211> 1063  
<212> DNA  
<213> Aspergillus nidulans

<400> 19573

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<212> DNA  
<213> Aspergillus nidulans

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<210> 19575  
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 <212> DNA  
 <213> Aspergillus nidulans

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<210> 19576  
 <211> 1068  
 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19576

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<210> 19577  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19577

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<211> 1069

<212> DNA  
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<400> 19578

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 <213> Aspergillus nidulans

<400> 19579

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<212> DNA  
<213> Aspergillus nidulans

<400> 19580

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<213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

<400> 19583

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<210> 19584  
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 <213> Aspergillus nidulans

<400> 19584

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 <213> Aspergillus nidulans

<400> 19585

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 <213> *Aspergillus nidulans*

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<212> DNA  
<213> *Aspergillus nidulans*

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<210> 19588  
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<212> DNA  
<213> Aspergillus nidulans

<400> 19588

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<210> 19589  
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<212> DNA  
<213> Aspergillus nidulans

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<212> DNA  
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<211> 1100

<212> DNA

<213> Aspergillus nidulans

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<213> *Aspergillus nidulans*  
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<212> DNA  
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<212> DNA

<213> *Aspergillus nidulans*

<400> 19622

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<400> 19624

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<212> DNA  
<213> Aspergillus nidulans

<400> 19629

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 <213> Aspergillus nidulans  
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<213> *Aspergillus nidulans*

<400> 19633

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<400> 19634

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 <213> Aspergillus nidulans

<400> 19635

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<400> 19641

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 <213> Aspergillus nidulans

<400> 19642

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19643

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<213> Aspergillus nidulans  
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<210> 19647  
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<210> 19649

<211> 1132

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<213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

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<210> 19654  
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 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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<210> 19656

<211> 1136

<212> DNA

<213> *Aspergillus nidulans*

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<400> 19708

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<400> 19715

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<213> Aspergillus nidulans

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<212> DNA

<213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

<400> 19737

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 <400> 19738

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19739

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 <213> Aspergillus nidulans

<400> 19740

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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19741

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 <213> *Aspergillus nidulans*

<400> 19742

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<212> DNA  
<213> Aspergillus nidulans

<400> 19743

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<212> DNA  
<213> Aspergillus nidulans

<400> 19744

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<212> DNA  
<213> Aspergillus nidulans

<400> 19745

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<210> 19746  
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 <213> *Aspergillus nidulans*

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<400> 19747

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<400> 19753

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<210> 19754  
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 <212> DNA  
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<400> 19754

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<210> 19756  
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 <213> *Aspergillus nidulans*

<400> 19756

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<213> Aspergillus nidulans

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<210> 19758

<211> 1240

<212> DNA

<213> Aspergillus nidulans

<400> 19758



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<400> 19759

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 <213> *Aspergillus nidulans*

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 <212> DNA  
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<400> 19761

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 <212> DNA  
 <213> *Aspergillus nidulans*

<400> 19763

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<210> 19767  
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<212> DNA  
<213> *Aspergillus nidulans*

<400> 19767

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 <213> *Aspergillus nidulans*

<400> 19768

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<210> 19769  
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 <213> Aspergillus nidulans

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<400> 19770

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<210> 19772

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<212> DNA

<213> *Aspergillus nidulans*

<400> 19772

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<400> 19778

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<210> 19782  
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<400> 19782

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<400> 19783

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<210> 19784  
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<400> 19784

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<400> 19786

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